X-VENTISO by earthcore

SUBMITTAL DATA

XV250 DRAFT INDUCER

XV Series · Gas, solid fuel, and grease

PROJECT INFORMATION

Project _____ **Location** _____

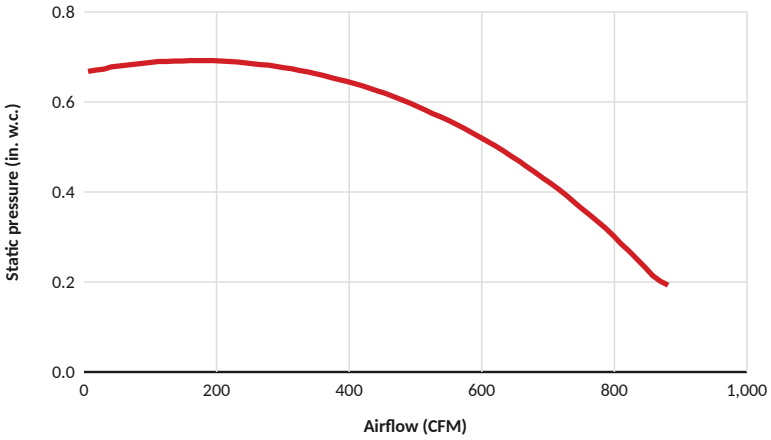
Contractor _____ **Engineer / Architect** _____

Submitted by _____ **Date** _____

MODEL

☐ XV150 ☑ XV250 ☐ XV350 Quantity: _____ Tag(s): _____

PERFORMANCE

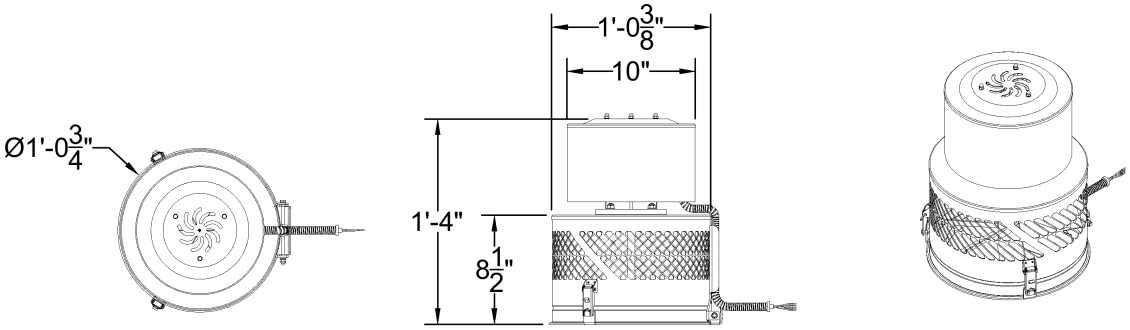


Full speed, 120 V. Size every application with the X-VENTISO flue calculator or project review.

KEY DATA

Capacity	900 CFM
Motor	120 V, 1 ph, 60 Hz, 1.6 A
Weight	30 lb
Nominal W x H	12.75 x 16 in
Temperature	1,000°F continuous 1,400°F intermittent
Discharge	45° upward
Mounting	Standard bolt pattern, shared with XV150
Orientation	Vertical, or horizontal (sidewall) on gas
Fuel	Gas, solid fuel, grease

DIMENSIONS



Top View Side View Isometric (Top)

Dimensions in feet and inches. Overall height 16", diameter 12-3/4" (nominal 12.75 x 16 in). Shares one housing with the XV150. Drawing (PDF or DWG) on request.

INSTALLATION NOTES

1. Install per the X-VENTISO installation manual (XV-IM-XVS) and the appliance manufacturer's instructions.
2. Multiple draft inducers on one chase: 12" minimum, edge to edge at the lower draft inducer body.
3. Termination clearances per the installation manual; service clearance per page 2.
4. Extension cable connections stay accessible: never inside conduit or a closed wall.
5. Connect to an X-VENTISO controller only. Commercial cooking and gas-fired cooking: custom XV-WBC; call 800.642.2920.
6. Codes are adopted and amended locally; the authority having jurisdiction makes the final call. Specifications subject to change.

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CONSTRUCTION

Housing	316L stainless steel
Impeller	316L stainless steel, curved axial vane
Motor	Outside the flue gas stream
Service	Tool-less clamp and hinge
Spark arrestor	Integrated, cut into the draft inducer body

ELECTRICAL

Supply	Controller plugs into a 120V outlet
Current	1.6 A
Factory cable	30 ft, 3-conductor 18 AWG Type TC-ER / TC-ER-JP, 3-pin Molex
Disconnect	At the draft inducer, factory-installed (NEMA 3)
Field wiring	None to the controller

LISTINGS

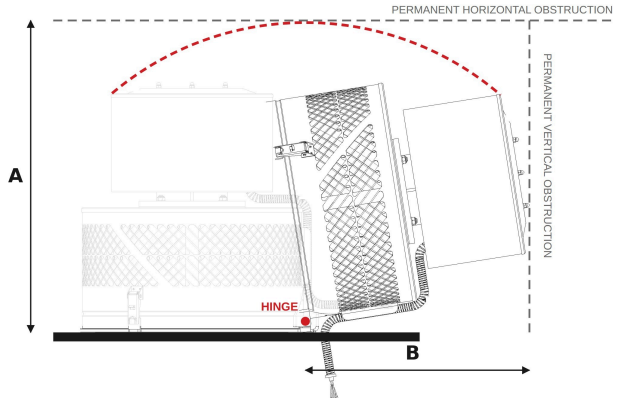
UL 378	Draft equipment
UL 705	Power ventilators
UL 705 Supp. SC	Restaurant exhaust
CSA B255	Draft equipment, Canada
CSA C22.2	Fans and ventilators, Canada
ULC-S645	Restaurant exhaust, Canada

ETL Listed. Intertek control no. 4007025.

SYSTEM COMPONENTS (CHECK AS SUPPLIED)

- ☐ Controller (check one):
  - ☐ XV-GBC ☐ XV-GBC-DUO ☐ XV-MERD-CTRL
  - ☐ XV-MERD-DUO ☐ XV-WBC ☐ XV-WBC-DUO
  - ☐ XV-MULTICTRL
- ☐ Flue adapter (size: _____)
- ☐ Damper: gas top-mount / gas inline / solid fuel
- ☐ WSPRDraft flue silencer (size: _____)
- ☐ Vibration dampener, XV-VBD-1250
- ☐ Rain collar, XV-RC250
- ☐ Draft inducer extension cable: 20 / 50 / 100 ft / custom _____ ft

SERVICE CLEARANCE (HINGED DRAFT INDUCER BODY)



The draft inducer body opens on an integrated hinge for cleaning and service. Keep permanent structures clear of the full opening arc.

A: above, to a permanent horizontal obstruction	20" minimum
B: hinge side, to a permanent vertical obstruction	13.5" minimum

ENGINEER / ARCHITECT REVIEW

- ☐ No exceptions taken
- ☐ Make corrections noted
- ☐ Revise and resubmit
- ☐ Rejected

Reviewed by _____

Date _____

REMARKS